

DETROIT DISTRICT HYDROPOWER

Steven S. Rose

Assistant Chief, Operations

Detroit District

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US Army Corps of Engineers
BUILDING STRONG®



Detroit District



- One of seven districts within the Great Lakes and Ohio River Division
- Headquartered in downtown Detroit, Michigan with field offices in Michigan, Minnesota, and Wisconsin
- Primary Missions
 - ▶ Navigation
 - ▶ Hydropower
 - ▶ Environmental Initiatives
 - ▶ Flood Risk Management
 - ▶ Regulatory Program
 - ▶ Recreation
 - ▶ International & Interagency Support / MILCON
 - ▶ Overseas Contingency Operations



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St Marys River Project



Missions

> Navigation

- 75 Miles of Deep Draft Channel
- Four Navigation Locks

> Recreation

- Over 500,000 Visitors Annually
- Class “A” Visitor Center

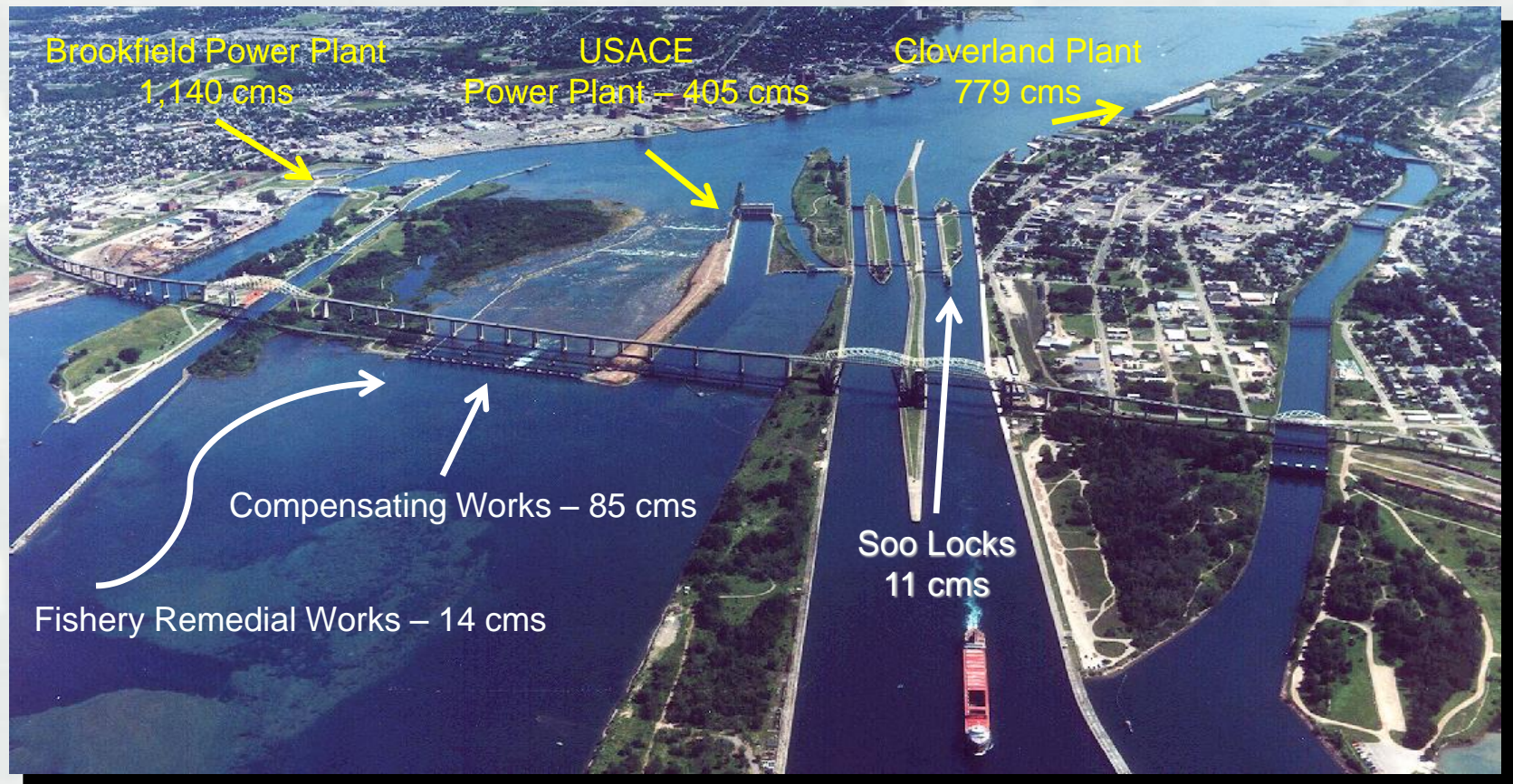
> Hydroelectric Power

- Two Powerhouses
- Five Generators
- Remotely Operated By Nashville’s Barkley Plant



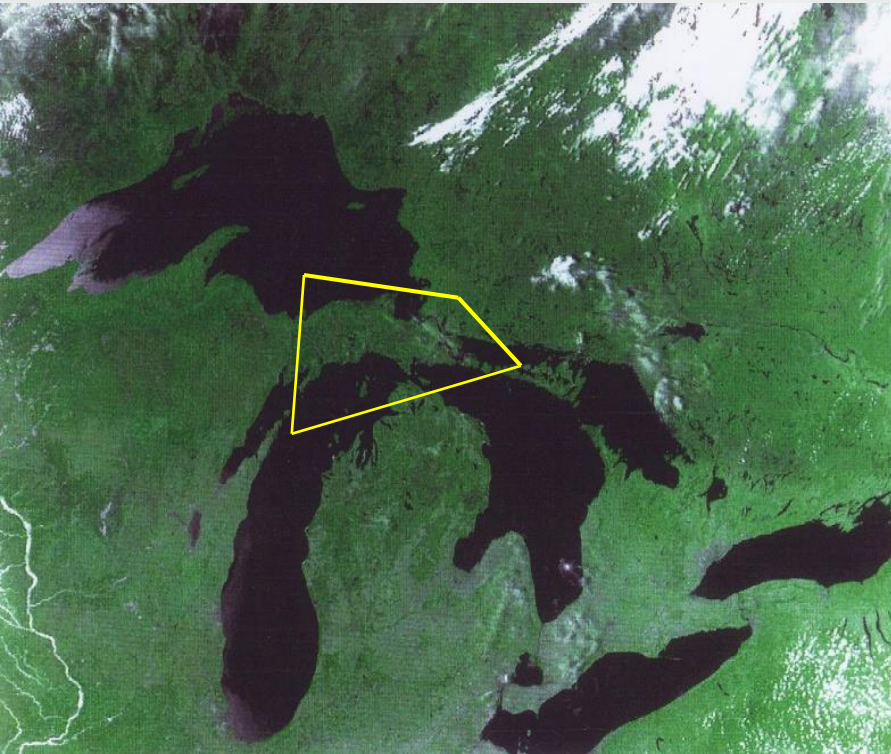
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St Marys River – Water Allocation



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St Marys River Project - Hydropower



- 21.5 MWatts Total Capacity
 - Three 5.5 MW Main Units
 - One 2.5 MW Kaplan House Unit
 - One 2.5 MW Unit (Old Powerhouse)
 - Less than 3% used at the Locks
 - Supplies 15% of EUP Base Load Power Demand
 - Remotely Operated by Nashville's Barkley Plant
- Power and Water Sales Contract to Cloverland Electric Cooperative



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St Marys River - Power Sales



- Base agreement established in 1951
 - Modification 16 currently in draft
 - Only direct agreement known between a Federally owned/operated plant and a utility
 - Rate based upon O&M plus capital expenses
 - Current rate of \$0.0118 per kWh
 - No means for customer funded projects

- Seeking new base agreement
 - Legal determination permits customer funding under WRDA 2000
 - Provides the customer with a “pay me now or pay me later” option
 - Rate determination remains the same



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Questions?



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